

BALLISTIC RESISTANCE TEST

NTS-Chesapeake Testing

4603B Compass Point Road
Belcamp, MD 21017

Client: ShotStop Ballistics, LLC
Job No.: 2631-055-3
Test Date: 6/9/2020

Test Panel

Description: Plate tested as stand alone. Model: GT2RF2SC, Lot No.:642201

Manufacturer: ShotStop Ballistics, LLC

Sample No.: 0023 (M855 V0)

Size: 10.00 x 12.00 in
Avg. Thick: NA
Thickness: NA

Weight: 3.63 lbs
Plies/Laminates: NA

Date Received: 6/8/2020
Via: UPS
Returned: UPS

Setup

Shot Spacing: NIJ-STD-0101.06 Level III
Witness Panel: Clay
Backing Material: 5.5-in clay/plywood
Condition: Ambient

Primary Vel. Screens (ft): 37.000, 37.333,
46.667, 47.000
Primary Vel. Location (ft): 42.000
Range to Target (ft): 50.200
Target to Witness (in): 0.000

Range No.: 3
Temp: 68.1 °F
BP: 29.8 inHg
RH: 52.1%
Barrel/Gun: Test Barrel
Gunner: Blake Ellis
Recorder: Ramon Chavez

Ammunition

Projectile	Lot No.	Powder
(1) 5.56 x 45-mm, 62-grain M855 ball	Military	N 110

Applicable Standards or Procedures

Clay Drop 1 - Drop Time: 9:00 AM; Block No. 11; Temp: 95°F; Drop Depths: 18.6mm,18.4mm,18.8mm,19.2mm,17.7mm
(1) NIJ-STD-0101.06 Level III (Modified)
(2) Customer request

Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Deformation (mm)	Obliq. (°)	Footnotes
1	1	62.0	3287	3042	3068	3042	3042	None	38.2	0.0	
2	1	62.0	3275	3053	3055	3055	3054	None	26.7	0.0	
3	1	62.0	3285	3044	3060	3050	3047	None	28.9	0.0	
4	1	62.0	3260	3067	3041	3069	3068	None	36.3	0.0	
5	1	62.0	3277	3052	3055	3055	3053	None	39.9	0.0	
6	1	62.0	3265	3063	3046	3064	3063	None	33.4	0.0	

Remarks:

Required velocity: 3050 ± 30ft/s
M855 ball commonly known as SS109 (Green Tip)

Footnotes: